

Fuel injection system for IC engine with fuel pump driven by engine

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Abstract

The coupling (23) can be designed as a slip-coupling with a controllable torque transmission ratio, as a friction coupling, as a hydro-coupling or as a magnetic- or eddy- current coupling. The fuel pump (10) is connected on the output side with at least one injection valve (21) across a pressure line system (17-20;33). The control unit (25) regulates the fuel pressure in the pump. A pressure regulating valve (29) is connected to the pressure line system, which is acted on for the additional pressure regulation by the control unit.

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